

APPLICANT FACSIMILE OF FORM PTO-1449  
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 U.S. DEPARTMENT OF  
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APPLICANT

Springer, Timothy A. et al.

FILING DATE

August 31, 2001

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## U.S. PATENT DOCUMENTS

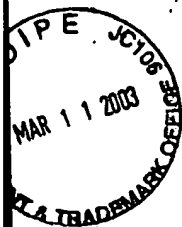
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## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
mt	A1	WO 95/17412 A1	6/95	WO		

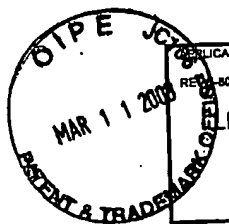
## OTHERS (including Author, Title, Date, Pertinent Pages, Etc.)

mt	A2	Dickeson SK <i>et al.</i> Ligand recognition by the I domain-containing integrins. Cell Mol Life Sci. 1998 Jun;54(6):556-66
	A3	Hazes, B <i>et al.</i> Model building of disulfide bonds in proteins with known three-dimensional structure. Protein Eng. 1988 Jul;2(2):119-25
A	A4	Huth, J <i>et al.</i> NMR and mutagenesis evidence for an I domain allosteric site that regulates lymphocyte function-associated antigen 1 ligand binding. Proc Natl Acad Sci U S A. 2000 May 9;97(10):5231-6
-	A5	Larson RS, <i>et al.</i> Primary structure of the leukocyte function-associated molecule-1 alpha subunit: an integrin with an embedded domain defining a protein superfamily J Cell Biol. 1989 Feb;108(2):703-12
✓	A6	Lee, Jie-Oh <i>et al.</i> Crystal structure of the A domain from the alpha subunit of integrin CR3 (CD11b/CD18). Cell. 1995 Feb 24;80(4):631-8
-	A7	Lee, Jie-Oh <i>et al.</i> Two conformations of the integrin A-domain (I-domain): a pathway for activation? Structure. 1995 Dec 15;3(12):1333-40
+	A8	Leitinger B, <i>et al.</i> The regulation of integrin function by Ca(2+). Biochim Biophys Acta. 2000 Dec 20;1498(2-3):91-98
-	A9	Li, Rui <i>et al.</i> Two functional states of the CD11b A-domain: correlations with key features of two Mn2+-complexed crystal structures. J Cell Biol. 1998 Dec 14;143(6):1523-34
-	A10	Lu, C <i>et al.</i> An isolated, surface-expressed I domain of the integrin alphaLbeta2 is sufficient for strong adhesive function when locked in the open conformation with a disulfide bond. Proc Natl Acad Sci U S A. 2001 Feb 27;98(5):2387-92
✓	A11	Lu, C <i>et al.</i> Locking in alternate conformations of the integrin alphaLbeta2 I domain with disulfide bonds reveals functional relationships among integrin domains. Proc Natl Acad Sci U S A. 2001 Feb 27;98(5):2393-8
mt	A12	Ohashi Y, <i>et al.</i> Three monoclonal antibodies against human LFA-1 alpha and beta chains with different biological activities. Tohoku J Exp Med. 1992 Dec;168(4):599-610
Examiner		Date Considered
Makur Haddad		10/11/06
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mtt	B1	Orchekowski RP, <i>et al.</i> AlphaMbeta2 (CD11b/CD18, Mac-1) integrin activation by a unique monoclonal antibody to alphaM I domain that is divalent cation-sensitive. J Leukoc Biol. 2000 Nov;68(5):641-9
-	B2	Oxvig, C <i>et al.</i> Conformational changes in tertiary structure near the ligand binding site of an integrin I domain. Proc Natl Acad Sci U S A. 1999 Mar 2;96(5):2215-20
-	B3	Petruzzelli L, <i>et al.</i> Activation of lymphocyte function-associated molecule-1 (CD11a/CD18) and Mac-1 (CD11b/CD18) mimicked by an antibody directed against CD18
-	B4	Sali A, <i>et al.</i> Comparative protein modelling by satisfaction of spatial restraints. J Mol Biol. 1993 Dec 5;234(3):779-815
-	B5	Shimaoka M, <i>et al.</i> Computational design of an integrin I domain stabilized in the open high affinity conformation. Nat Struct Biol. 2000 Aug;7(8):674-8
-	B6	Shimaoka M, <i>et al.</i> Reversibly locking a protein fold in an active conformation with a disulfide bond: integrin alphaL I domains with high affinity and antagonist activity in vivo. Proc Natl Acad Sci U S A. 2001 May 22;98(11):6009-14
-	B7	Shimaoka M, <i>et al.</i> Conformational regulation of integrin structure and function. Annu Rev Biophys Biomol Struct. 2002;31:485-516
-	B8	Stewart M, <i>et al.</i> Leukocyte integrins. Curr Opin Cell Biol. 1995 Oct;7(5):690-6
-	B9	Qu A <i>et al.</i> Crystal structure of the I-domain from the CD11a/CD18 (LFA-1, alpha L beta 2) integrin. Proc Natl Acad Sci U S A. 1995 Oct 24;92(22):10277-81
-	B10	Fischer, A <i>et al.</i> Prevention of graft failure by an anti-HLFA-1 monoclonal antibody in HLA-mismatched bone-marrow transplantation. Lancet. 1986 Nov 8;2(8515):1058-61.
-	B11	Sanchez-Madrid, F <i>et al.</i> Three distinct antigens associated with human T-lymphocyte-mediated cytotoxicity: LFA-1, LFA-2, and LFA-3. Proc Natl Acad Sci U S A. 1982 Dec;79(23):7489-93
mtt	B12	Morimoto et al. A novel epitope of the LFA-1 antigen which can distinguish killer effector and suppressor cells in human CD8 cells. Nature. 1987 Dec 3-9;330(6147):479-82
Examiner	Maha Haddad	
	Date Considered	10/11/06
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